**Student Checklist**

Please answers part A first. If you complete checking all 3 items on part A then move to part C. If you cannot complete all 3 items in part A, then go to part B.

|  |  |
| --- | --- |
| Part A.  Can my instrument be played by myself ?  Does my instrument produce two different pitches?  Can my instrument reproduce the sound repetitively? | |
| Part B. Redesign Questions.  Do you think you need other materials?  Do you need to confer with other engineers?  Do you need to move or remove any parts?  Do you need help with physical construction?  Has your choice of materials constrained your design? | Part C. Optimizing Design Questions.  Are you finding ways to make your instrument better?  Is there something you can add to make your instrument more comfortable to play?  Are you able to add another pitch to your instrument?  Are you able to play your instrument with both hands?    Is your instrument durable?  Is your instrument aesthetically appealing?  Is your instrument waterproof? |

When you are done with this checklist, please turn to the back of this paper to continue your work.

Next Step. (Please complete the following sentences.)

Now I will gather \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_materials.

Ask \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for help.

Ask \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to collaborate.

Make a new, revised diagram

|  |
| --- |
|  |

Or revise my original diagram.